

ABSTRACT OF THE DISCLOSURE

PROCESS FOR THE DIASTEREOSELECTIVE PREPARATION OF OLEFINS VIA  
 THE HORNER-WADSWORTH-EMMONS REACTION, COMPRISING AN  
 5 ADDITION OF A TRIS(POLYOXAALKYL)AMINE SEQUESTERING AGENT

The invention relates to a process for the diastereoselective preparation of olefins via the Horner-Wadsworth-Emmons reaction, which consists in reacting at low temperature a phosphonate with a carbonyl derivative in the presence of a base in a  
 10 suitable solvent, characterized in that a tris(polyoxaalkyl)amine sequestering reagent of formula (I):  $N-[CHR_1-CHR_2-O-(CHR_3-CHR_4-O)_n-R_5]_3$  (I), wherein: n is an integer between 0 and 10;  $R_1$ ,  $R_2$ ,  $R_3$  and  $R_4$  may be identical or different, and represent a hydrogen atom or an alkyl radical containing from 1 to 4 carbon atoms;  $R_5$  represents a  
 15 hydrogen atom, an alkyl or cycloalkyl radical containing up to 12 carbon atoms, a phenyl radical or a radical of formula  $-C_{\mu}H_{2\mu}-\Phi$ , or  $C_mH_{2m+1}-\Phi-$ , with m being an integer between 1 and 12 and  $\Phi$  being a phenyl radical; is added in an amount that is sufficient to increase the diastereoselectivity of the olefin.